

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,142,489 B2  
APPLICATION NO. : 10/530585  
DATED : November 28, 2006  
INVENTOR(S) : Nishiwaki et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

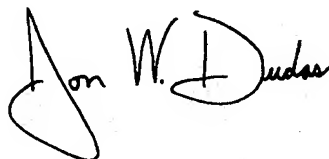
Column 38, line 15(claim 1): "AK(k=1, 2, ..., n)" should read --Ak(k=1, 2, ..., n)--.

Column 38, line 41(claim 2): "detections" should read --detection--.

Column 39, line 34(claim 4); "beans" should read --beams--.

Signed and Sealed this

Fifteenth Day of May, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*